

**Listing of Claims:**

Claims 1-32 (Canceled).

33. (New) An image signal generation circuit comprising:  
a display panel in which RGB dots of one color are  
horizontally shifted by 1.5 pixels in two adjacent lines from an  
initial pixel configuration represented by color components;

5 a first horizontal pixel number conversion means for  
converting a horizontal pixel number of image data of a  
luminance/chrominance system to a horizontal pixel number  
suitable for generation of video signals for a specific  
television system; and

10 a first image signal generation means for generating, from  
the image data of the luminance/chrominance system whose  
horizontal pixel number has been converted by the first  
horizontal pixel number conversion means, an RGB signal suitable  
to be output to the display panel,

15 wherein the first horizontal pixel number conversion means  
comprises:

(i) an RGB signal generation means for generating an  
RGB signal from the image data of the luminance/chrominance  
system whose horizontal pixel number has been converted; and

20 (ii) a color component selection means for selecting one color component data from each odd number pixel in a first line of the RGB signal, selecting one color component data from each even number pixel in a second line of the RGB signal adjacent to the first line thereof, and converting the number of 25 horizontal pixels of the RGB signal to the number of horizontal pixels suitable for display on the display panel; and

wherein the color component selection means selects color component data from the RGB signal so that the selected data form a color component arrangement identical to that of RGB dots on 30 the display panel, and the color component selection means selects color component data of one color so that the color component data of the selected one color in the first line of the RGB signal are shifted horizontally by three pixels from the second line of the RGB signal that is adjacent to the first line 35 thereof.

34. (New) The image signal generation circuit according to claim 33, further comprising:

an external output terminal; and  
a second image signal generation means for generating, from 5 the image data of the luminance/chrominance system whose horizontal pixel number has been converted by the first

horizontal pixel number conversion means, a video signal suitable to be output to the external output terminal.

35. (New) The image signal generation circuit according to claim 33, wherein the specific television system is an NTSC system.

36. (New) An image signal generation method comprising:  
shifting RGB dots of one color horizontally by 1.5 pixels in two adjacent lines of a display panel from an initial pixel configuration represented by color components;

5           converting a horizontal pixel number of image data of a luminance/chrominance system to a horizontal pixel number suitable for generation of video signals for a specific television system; and

10           generating, from the image data of the luminance/chrominance system whose horizontal pixel number has been converted, an RGB signal suitable to be output to the display panel

15           wherein the converting comprises generating an RGB signal from the image data of the luminance/chrominance system whose horizontal pixel number has been converted, and selecting one color component data from each odd number pixel in a first line of the RGB signal, selecting one color component data from each even number pixel in a second line of the RGB signal adjacent to

the first line thereof, and converting the number of horizontal pixels of the RGB signal to the number of horizontal pixels  
20 suitable for display on the display panel; and

wherein color component data is selected from the RGB signal so that the selected data form a color component arrangement identical to that of the RGB dots on the display panel, and color component data of one color is selected so that the color component data of the selected one color in the first line of the  
25 RGB signal are shifted horizontally by three pixels from the second line of the RGB signal that is adjacent to the first line thereof.